



Date February 28, 2006

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Kim Blum  
Name (Print)

Signature

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: WADA et al.	)	Examiner:	Unassigned
	)		
Application Number: 10/563,074	)	Group Art Unit:	Unassigned
	)		
Filed: December 29, 2005	)	Confirmation No.:	Unassigned
	)		
Docket No.: 3190-087	)	Customer No.:	33432

For: METHOD FOR INHIBITING TELOMERASE ACTIVITY AND INHIBITOR THEREOF

### **INFORMATION DISCLOSURE STATEMENT** **PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

February 28, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO/SB/08. Pursuant to the current United States Patent and Trademark Office rules, no copies of U.S. Patents/Patent Application Publications are provided.

This Information Disclosure Statement is being submitted before expiration of the three-month period following filing of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. *See* 37 CFR 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO/SB/08 be made of record therein and appear

Information Disclosure Statement  
U.S. Patent Application No. 10/563,074

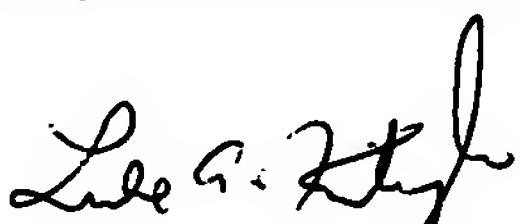
on the first page of any patent to issue therefrom.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in this application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

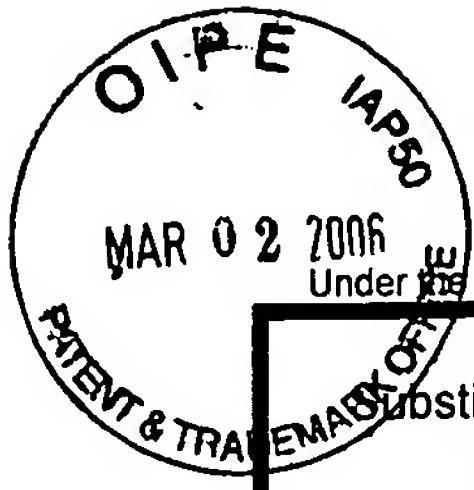
It is believed that no fee is required to make this a complete and timely filing. However, if it is determined that a petition or fee is required, the Commissioner is hereby authorized to charge any fee associated with this statement to our Deposit Account No. 50-0925.

Respectfully submitted,



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Reg. No. 33,251

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PTO/SB/08a (05-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet 1 of 3

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**Complete if Known**

Application Number	10/563,074
Filing Date	December 29, 2005
First Named Inventor	WADA et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	3190-087

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 2001/67299 A1	09/13/2001	Daiichi Pharmaceutical Co., Ltd. and Fujitsu Ltd.		English translation
		WO 2004/005511 A1	07/07/2003	Kansai Technology Licensing Organization Co., Ltd.		Abstract only, see EP 1 553 178 A1 for English version
		WO 2002/101010 A2	06/06/2002	Sierra Sciences, Inc.		Abstract only, see US 2002/0193289 A1 for English version
		WO 2002/16657 A1	08/17/2001	Sierra Sciences, Inc.		See US 6,686,159 B2
		WO 2003/048340 A2	12/05/2002	Vertex Pharmaceuticals Inc.		Abstract only, see US 2005/0261836 A1 for English version
		EP 1 553 178 A1	07/13/2005	Kansai Technology Licensing Organization Co., et al.		
Examiner Signature				Date Considered		

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/563,074
Sheet	2	of	3	Filing Date	December 29, 2005
				First Named Inventor	WADA et al.
				Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	3190-087

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city, and/or country where published.			T <sup>2</sup>
		KAWAGOE et al., "Raloxifene Inhibits Estrogen-induced Up-regulation of Telomerase Activity in a Human Breast Cancer Cell Line," THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 278, Vol. 44, Oct. 31, 2003, pp. 43363-43372.			
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		KELLEHER et al., "Telomerase: Biochemical Considerations for Enzyme and Substrate," TRENDS IN BIOCHEMICAL SCIENCES, Vol. 27, No. 11, November 2002, pp. 572-579.			
		LI et al., "Protein Phosphatase 2A Inhibits Nuclear Telomerase Activity in Human Breast Cancer Cells," THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol 272, No. 27, July 4, 1997, pp. 16729-16732.			
		LI et al., "Telomerase is Controlled by Protein Kinase Ca in Human Breast Cancer Cells," THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 273, No. 50, December 11, 1998, pp. 33436-33442.			
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		HAENDELER et al., "Regulation of Telomerase Activity and Anti-apoptotic Function by Protein-Protein Interaction and Phosphorylation," FEBS LETTERS, No. 536, 2003, pp. 180-186.			
		SALH et al., "Dysregulation of Phosphatidylinositol 3-Kinase and Downstream Effectors in Human Breast Cancer," INT. J. CANCER, No. 98, 2002, pp. 148-154.			
		GREENBERG et al., "Selective p38 Activation in Human Non-Small Cell Lung Cancer," AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY, Vol. 26, 2002, pp. 558-564.			
		WANG et al., "Overexpression of Mitogen-activated Protein Kinase Phosphatases MKP1, MKP2 in Human Breast Cancer," CANCER LETTERS xx, 2002, pp. 229-237.			
		SIVARAMAN et al., "Hyperexpression of Mitogen-activated Protein Kinase in Human Breast Cancer," J. CLIN. INVEST., Vol. 99, No. 7, April 1997, pp. 1478-1483.			
		OKA et al., "Constitutive Activation of Mitogen-activated Protein (MAP) Kinases in Human Renal Cell Carcinoma," CANCER RESEARCH, Vol. 55, No. 18, September 15, 1995, pp. 4182-4187.			
		JOHNSON, "Signal Transduction Abnormalities in Cancer Mitogen-activated Protein Kinase Regulation is Altered in Breast Cancer," J. CLIN. INVEST., Vol. 99, No. 7, April 1997, pp. 1463-1464.			
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		MANDELL et al., "In Situ Visualization of Intratumor Growth Factor Signaling Immunohistochemical Localization of Activated ERK/MPA Kinase in Glial Neoplasms," AMERICAN JOURNAL OF PATHOLOGY, Vol. 153, No. 5, November 1998, pp. 1411-1423.			
		SANTEN et al., "The Role of Mitogen-Activated Protein (MAP) Kinase in Breast Cancer," THE JOURNAL OF STEROID BIOCHEMISTRY & MOLECULAR BIOLOGY, Vol. 80, No. 2, February 2002, pp. 239-256.			
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		ESTEVA et al., "Expression of erbB/HER Receptors, Heregulin and P38 in Primary Breast Cancer Using Quantitative Immunohistochemistry," PATHOLOGY ONCOLOGY RESEARCH, Vol. 7, No. 3, 2001, pp. 171-177.			
		GIOELI et al., "Activation of Mitogen-Activated Protein Kinase Associated with Prostate Cancer Progression," CANCER RESEARCH, Vol. 59, January 15, 1999, pp. 279-284.			
		REDDY et al., "Role of MAP Kinase Pathways in Primitive Neuroectodermal Tumors," ANTICANCER RESEARCH, Vol. 21, 2001, pp. 2733-2738.			

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